In re Application of: PATENT
    JAI N. SUBRAHMANYAM et al.   Docket No.: K35A1290
Application No.: 10/769,143
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Amendments to the Claims:

This list of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

    1. (original) A disk drive comprising a rotating magnetic media having tracks identified by binary codewords, wherein each track codeword for a particular track within a contiguous band of tracks differs from a track codeword for an adjacent track within the contiguous band of tracks by a defined number N of bits, and differs from a track codeword for a nonadjacent track within the contiguous band of tracks by at least the defined number N of bits, wherein the defined number N of bits is greater than four such that at least two bit errors can be corrected when reading a track codeword.

    2. (original) A disk drive as defined in claim 1, wherein each track codeword comprises 23 bits and the defined number N of bits is 7 bits.

    3. (original) A disk drive as defined in claim 1, wherein each track codeword comprises 15 bits and the defined number N of bits is 5 bits.

    4. (original) A disk drive as defined in claim 1, wherein the contiguous band of tracks comprises between about 128 and 32,768 tracks.

    5. (original) A disk drive as defined in claim 1, wherein the contiguous band of tracks comprises about 2048 tracks.

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6. (previously presented) A method for identifying tracks on a rotating magnetic media
of a disk drive, comprising assigning each track within a contiguous band of tracks with a unique
binary codeword such that each track codeword for a particular track within the contiguous band
of tracks differs from a track codeword for an adjacent track within the contiguous band of tracks
by a defined number N of bits, and differs from a track codeword for a nonadjacent track within
the contiguous band of tracks by at least the defined number N of bits, wherein the defined
number N of bits is greater than four such that at least two bit errors can be corrected when
reading a track codeword.

7. (original) A method for identifying tracks as defined in claim 6, wherein each track
codeword comprises 23 bits and the defined number N of bits is 7 bits.

8. (original) A method for identifying tracks as defined in claim 6, wherein each track
codeword comprises 15 bits and the defined number N of bits is 5 bits.

9. (original) A method for identifying tracks as defined in claim 6, wherein the
contiguous band of tracks comprises between about 128 and 32,768 tracks.

10. (original) A method for identifying tracks as defined in claim 6, wherein the
contiguous band of tracks comprises about 2048 tracks.

11. (previously presented) A method for identifying tracks as defined in claim 6,
wherein each track codeword differs from all other track codewords for nonadjacent tracks
within the contiguous band of tracks by at least the defined number N of bits.

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12. (previously presented) A disk drive as defined in claim 1, wherein each track codeword differs from all other track codewords for nonadjacent tracks within the contiguous band of tracks by at least the defined number N of bits.